Collect 0530533 8.3

ABC LABORATORIES, INC. EAST 4922 UNION AVENUE SPOKANE, WA 99219 509-534-0161

REPORT TO: Spokane County Dept. of Utilities

N. 811 Jefferson

Spokane, WA 99210

LAB NO: 33768-90

DATE: 7-18-90

SAMPLE DATE: 7-6-90

ATTN:

Bruce Austin

P.O.#: JULY

DESCRIPTION: Perform Volatile Organic Scan on submitted samples from the wells in the Colbert Landfill area. Analyses performed by methods outlined in proposal of December 8th, 1988.

DETECTION LIMITS: 1 part per billion

ND: Not Detected

This document contains eight pages.

Respectfully Submitted, ABC LABORATORIES, INC.

W.E. Burkhardt

Manager

USEPA SF 1481696

Spokane County Dept, of Utilitie Lab NO. 33768-90	3					
NAME	Blank	Blank	Blank	Blank	Blank	Blank
WELL NO.						
DATE:	7-09-90	7-09-90	7-10-90	7-10-90	7-11-90	7-11-90
Chloroform	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND
1,1-Dichloroethylene	ND	ND	ND	ND	ND	ND
Trichloroethylene	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND
Tetrachloroethylene	ND	ND	ND	ND	ND	ND
Methylene Chloride	ND	ND	ND	ND	ND	ND
1 - Pentene	ND	ND	ND	ND	ND	ND
Cyclopentane	ND	ND	ND	ND	ND	ND
Trans 2-Hexene	ND	ND	ND	ND	ND	ND
Benzene Toluene	ND	ND	ND:	ND	ND	ND
	ND	ND	ND	ND	ND	ND
Ethylene DiBromide Ethyl Benzene	ND	ND	ND	ND	ND	ND
M-xylene	ND ND	ND	ND	ND	ND	ND
0-xylene	ND	ND	ND	ND	ND	ND
P-xylene	ND	ND ND	ND	ND	ND	ND
Cumene	ND	ND ND	ND ND	ND	ND	ND
1,2,4-Trimethyl Benzene	ND	ND	ND	ND ND	ND	ND
P-cymene	ND	ND	ND	ND	ND ND	ND ND
Chlorobenzene	ND	ND	ND	ND	ND	ND
M-dichlorobenzene	ND	ND	ND	ND	ND	ND
O-dichlorobenzene	ND	ND	ND	ND	ND	ND
P-dichlorobenzene	ND	ND	ND	ND	ND	ND
Methyl Ethyl Ketone	ND	ND	ND	ND	ND	ND
Acetone	ND	ND	ND	ND	ND	ND
Bromodichloromethane	ND	ND	ND	ND	ND	ND
Bromoform	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND
Trans 1,2-Dichloroethane	ND	ND	ND	ND	ND	ND
Trans 1,2-Dichloroethylene	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ND	ND	ND	ND	ND	ND
Cis 1,3-Dichloropropylene	ND	ND	ND	ND	ND	ND
Trans 1,3-Dichloropropylene	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND
1,1,2,-richloroethane	ND	ND	ND	ND	ND	ND
2-Chloroethylvinyl Ether	ND	ND	ND	ND	ND	ND

Lab NO. 33768-90	Spokane County Dept. of Utilities	8					
MAPEL Fravel Fravel Fravel Flank Blank Blank Flank F	Lab NO. 33768-90			(b) (6)	_	_	
WELL NO. 7-05-90 7-10-90 1573C-10 1073G-1 1573H-2 1173Q-1 7-10-90 7-	NAME	Travel	Travel	(2) (2)			
DATE:							
Chloroform	WELL NO.		7-10-90	1573C-10	1073G-1	1573H-2	11730-1
1,1-Dichloroethylene	DATE:	7-11-90	7-11-90	7-10-90	7-9-90	7-10-90	7-10-90
1,1-Dichloroethylene	Chloroform	ND	ND	ND	ND	ND	ND
1,1-Dichloroethylene	1,1-Dichloroethane	ND	ND	ND	ND		
1,1-Trichloroethane	1,1-Dichloroethylene	ND	ND	ND	ND	ND	
Tetrachloroethylene			ND	ND	ND	ND	ND
Methylene Chloride				ND	ND	ND	ND
1-Pentene					ND	ND	ND
Cyclopentane ND					ND	ND	ND
Trans 2-Hexene ND					ND	ND	ND
Benzene					ND	ND	ND
Toluene					ND	ND	ND
Ethylene DiBromide							ND
Ethýl Benzene ND							
M-xylene ND <							
0-xylene ND <							
P-xylene ND <							
Cumene ND ND <th< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td></th<>							
1,2,4-Trimethyl Benzene ND							
P-cymene ND <							
Chlorobenzene ND							
M-dichlorobenzene ND							
O-dichlorobenzene ND							
P-dichlorobenzene ND							
Methyl Ethyl Ketone ND ND <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>							
Acetone ND ND <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>							
Bromodichloromethane ND ND <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>							
Bromoform ND							
Carbon Tetrachloride ND ND <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>							
Dibromochloromethane ND ND <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>							
1,2-Dichloroethane ND							
Trans 1,2-Dichloroethane ND N							
Trans 1,2-Dichloroethylene ND ND <th< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td></th<>							
1,2-Dichloropropane ND ND <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>							
Cis 1,3-Dichloropropylene ND							
Trans 1,3- Dichloropropylene ND <							
1,1,2,2-Tetrachloroethane ND							
1,1,2,-richloroethane ND ND ND ND ND ND							
	1.1.2richloroethane						
2-Chloroethylvinyl Ether ND ND ND ND ND ND							

Spokane County Dept. of Utilities	3					
Lab NO. 33768-90	(b) (6)		_	_	_	
NAME						
WELL NO.	0273E-1	0273E-1	1173B-1	1173B-1	1473C-1	1573R-3
WELL NO.	02102 1	Confirming	11100 1	Confirming	14100-1	10101-0
DATE:	7-9-90	7-9-90	7-10-90	7-10-90	7-11-90	7-9-90
Chloroform	ND	ND	1	<1	ND	ND
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND
1,1-Dichloroethylene	1	<1	ND	ND	ND	ND
Trichloroethylene	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	192	179	ND	ND	ND	ND
Tetrachloroethylene	ND	ND	ND	ND	ND	ND
Methylene Chloride	ND	ND	ND	ND	ND	ND
1 - Pentene	ND	ND	ND	ND	ND	ND
Cyclopentane	ND	ND	ND	ND	ND	ND
Trans 2-Hexene	ND	ND	ND.	ND	ND	ND
Benzene	ND .	ND	ND	ND	ND	ND
Toluene	ND	ND	ND	ND	ND	ND
Ethylene DiBromide	ND	ND	ND	ND	ND	ND
Ethyl Benzene	ND	ND	ND	ND	ND	ND
M-xylene	ND	ND	ND	ND	ND	ND
0-xylene	ND	ND	ND	ND	ND	ND
P-xylene	ND	ND	ND	ND	ND	ND
Cumene	ND	ND	ND	ND	ND	ND
1,2,4-Trimethyl Benzene	ND	ND	ND	ND	ND	ND
P-cymene	ND	ND	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND	ND	ND
M-dichlorobenzene	ND	ND	ND	ND	ND	ND
O-dichlorobenzene	ND	ND	ND	ND	ND	ND
P-dichlorobenzene	ND	ND	ND	ND	ND	ND
Methyl Ethyl Ketone	ND	ND	ND	ND	ND	ND
Acetone	ND ·	ND	ND	ND	ND	ND
Bromodichloromethane	ND	ND	ND	ND	ND	ND
Bromoform	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND
Trans 1,2-Dichloroethane	ND	ND	ND	ND	ND	ND
Trans 1,2-Dichloroethylene	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ND	ND	ND	ND	ND	ND
Cis 1,3-Dichloropropylene	ND	ND	ND	ND	ND	ND
Trans 1,3-Dichloropropylene	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND
1,1,2,-richloroethane	ND	ND	ND	ND	ND	ND
2-Chloroethylvinyl Ether	ND	ND	ND	ND	ND	ND
					-10	.10

Spokane County Dept. of Utilitie			117			
	(6)					
NAME						
WELL NO.	0273E-2	1573C-3	1073M-2	1573B-4	1573B-4 Confirming	1573F-4
DATE:	7-9-90	7-10-90	7-11-90	7-11-90	7-11-90	7-11-90
Chloroform	ND	ND	ND	ND	ND	ND
1,1-Dichioroethane	ND	ND	ND	ND	ND	ND
1,1-Dichloroethylene	ND	ND	ND	ND	ND	ND
Trichloroethylene	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ND	ND	ND	30	27	ND
Tetrachloroethylene	ND	ND	ND	ND	ND	ND
Methylene Chloride	ND	ND	ND	ND	ND	ND
1 - Pentene	ND	ND	ND	ND	ND	ND
Cyclopentane	ND	ND	ND	ND	ND	ND
Trans 2-Hexene	ND	ND	ND.	ND	ND	ND
Benzene	ND	ND	ND	ND	ND	ND
Toluene	ND	ND	ND	ND	ND	ND
Ethylene Di Bromide	ND	ND	ND	ND	ND	ND
Ethyl Benzene	ND	ND	ND	ND	ND	ND
M-xylene	ND	ND	ND	ND	ND	ND
0-xylene	ND	ND	ND	ND	ND	ND
P-xylene	ND	ND	ND	ND	ND	ND
Cumene	ND	ND	ND	ND	ND	ND
1,2,4-Trimethyl Benzene	ND ND	ND	ND	ND	ND	ND
P-cymene	ND	ND	ND	ND	ND	ND
Chlorobenzene	ND	ND ND	ND	ND	ND	ND
M-dichlorobenzene O-dichlorobenzene	ND	ND	ND	ND	ND	ND
P-dichlorobenzene	ND	ND	ND ND	ND	ND	ND
Methyl Ethyl Ketone	ND	ND	ND	ND ND	ND	ND
Acetone	ND	ND	ND	ND	ND ND	ND ND
Bromodichloromethane	ND	ND	ND	ND	ND	ND
Bromoform	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND
Trans 1,2-Dichloroethane	ND	ND	ND	ND	ND	ND
Trans 1,2-Dichloroethylene	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ND	ND	ND	ND	ND	ND
Cis 1,3-Dichloropropylene	ND	ND	ND	ND	ND	ND
Trans 1,3-Dichloropropylene	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND
1,1,2,-richloroethane	ND	ND	ND	ND	ND	ND
2-Chloroethylvinyl Ether	ND	ND	ND	ND	ND	ND

Spokane County Dept. of Utilities	3					
Lab NO. 33768-90 NAME	(b) (6)					
WELL NO.	1073E-2	1073E-2 Confirming	1473D-1	1573C-15	0273E-3	0273E-3 Confirming
DATE:	7-10-90	7-10-90	7-9-90	7-11-90	7-9-90	7-9-90
Chloroform	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ND	ND	ND	ND	1	<1
1,1-Dichloroethylene	ND	ND	ND	ND	2	1
Trichloroethylene	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	42	40	ND	ND	197	186
Tetrachloroethylene	ND	ND	ND	ND	ND	ND
Methylene Chloride	ND	ND	ND	ND	ND	ND
1 - Pentene	ND	ND	ND	ND	ND	ND
Cyclopentane	ND	ND	ND .	ND	ND	ND
Trans 2-Hexene	ND	ND	ND	ND	ND	ND
Benzene	ND	ND	ND	ND	ND	ND
Toluene	ND	ND	ND	ND	ND	ND
Ethylene DiBromide	ND	ND	ND	ND	ND	ND
Ethyl Benzene	ND	ND	ND	ND	ND	ND
M-xylene	ND	ND	ND	ND	ND	ND
0-xylene	ND	ND	ND	ND	ND	ND
P-xylene	ND	ND	ND	ND	ND	ND
Cumene	ND	ND	ND	ND	ND	ND
1,2,4-Trimethyl Benzene	ND ND	ND	ND	ND	ND	ND
P-cymene Chlerebergers	ND	ND	ND	ND	ND	ND
Chlorobenzene M-dichlorobenzene	ND	ND	ND	ND	ND	ND
	ND	ND	ND	ND	ND	ND
O-dichlorobenzene		ND	ND	ND	ND	ND
P-dichlorobenzene	ND ND	ND	ND	ND	ND	ND
Methyl Ethyl Ketone Acetone	ND	ND ND	ND	ND	ND	ND
Bromodichloromethane	ND	ND	ND	ND	ND	ND
Bromoform	ND	ND	ND ND	ND	ND	ND
Carbon Tetrachloride	ND	ND		ND	ND	ND
Dibromochloromethane	ND	ND	ND ND	ND ND	ND ND	ND ND
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND
Trans 1,2-Dichloroethane	ND	ND	ND	ND	ND	ND
Trans 1,2-Dichloroethylene	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ND	ND	ND	ND	ND	ND
Cis 1,3-Dichloropropylene	ND	ND	ND	ND	ND	ND
Trans 1,3-Dichloropropylene	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND
1,1,2,-richloroethane	ND	ND	ND	ND		
2-Chloroethylvinyl Ether	ND	ND			ND	ND
Z-Ciliof octrigryringi Ethici	ND	ND	ND	ND	ND	ND

Spokene County Dept. of Utilities						
Lab NO. 33768-90	(b) (6)					
NAME	(2) (2)					
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WELL NO.	1573K-1	1173F-2	1173F-2	0373L-1	0373L-1	0273D-6
DATE:	7-11-90	7-11-90	7-11-90	7-10-90	7-10-90	7-9-90
Chloroform	ND	1	<1	ND	ND	ND
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND
1,1-Dichloroethylene	ND	ND	ND	ND	ND	ND
Trichloroethylene	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ND	ND	ND	23	24	ND
Tetrachloroethylene	ND	ND	ND	ND	ND	ND
Methylene Chloride	ND	ND	ND	ND	ND	ND
1 - Pentene	ND	ND	ND	ND	ND	ND
Cyclopentane	ND	ND	ND	ND	ND	ND
Trans 2-Hexene	ND	ND	ND	ND	ND	ND
Benzene	ND	ND	ND.	ND	ND	ND
Toluene	ND	ND	ND	ND	ND	ND
Ethylene Di Bromide	ND	ND	ND	ND	ND	ND
Ethyl Benzene	ND	ND	ND	ND	ND	ND
M-xylene	ND	ND	ND	ND	ND	ND
0-xylene	ND	ND	ND	ND	ND	ND
P-xylene	ND	ND	ND	ND	ND	ND
Cumene	ND ND	ND	ND	ND	ND	ND
1,2,4-Trimethyl Benzene	ND	ND	ND	ND	ND	ND
P-cymene Chlorobarzana	ND	ND ND	· ND	ND	ND	ND
Chlorobenzene M-dichlorobenzene	ND	ND	ND	ND	ND	ND
O-dichlorobenzene	ND	ND	ND ND	ND	ND	ND
P-dichlorobenzene	ND	ND	ND	ND ND	ND ND	ND
Methyl Ethyl Ketone	ND	ND	ND	ND	ND	ND ND
Acetone	ND	ND	ND	ND	ND ND	ND
Bromodichloromethane	ND	ND	ND	ND	ND	ND
Bromoform	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND
Trans 1,2-Dichloroethane	ND	ND	ND	ND	ND	ND
Trans 1,2-Dichloroethylene	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ND	ND	ND	ND	ND	ND
Cis 1,3-Dichloropropylene	ND	ND	ND	ND	ND	ND
Trans 1.3-Dichloropropylene	ND	ND	ND	ND	ND	ND
1.1.2.2-Tetrachloroethane	ND	ND	ND	ND	ND	ND
1,1,2,-richloroethane	ND	ND	ND	ND	ND	ND
2-Chloroethylvinyl Ether	ND	ND	ND	ND	ND	ND

Spokane County Dept. of Utilities Lab NO. 33768-90 NAME	(b) (6)
WELL NO. DATE:	1573C-7 7-10-90
Chloroform 1,1-Dichloroethane 1,1-Dichloroethylene Trichloroethylene 1,1,1-Trichloroethane Tetrachloroethylene Methylene Chloride 1-Pentene Cyclopentane Trans 2-Hexene Benzene Toluene Ethylene DiBromide Ethyl Benzene M-xylene O-xylene P-xylene Cumene 1,2,4-Trimethyl Benzene P-cymene Chlorobenzene M-dichlorobenzene M-dichlorobenzene P-dichlorobenzene P-dichlorobenzene Methyl Ethyl Ketone Acetone Bromodichloromethane Bromoform Carbon Tetrachloride Dibromochloromethane 1,2-Dichloroethane	
Trans 1,2-Dichloroethane Trans 1,2-Dichloroethylene 1,2-Dichloropropane Cis 1,3-Dichloropropylene	ND ND ND ND
Trans 1,3-Dichloropropylene 1,1,2,2-Tetrachloroethane 1,1,2,-richloroethane 2-Chloroethylvinyl Ether	ND ND ND ND

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